

How Is Temporal Processing Affected in Children with Attention-deficit/hyperactivity Disorder?

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Abstract

We compared the performance of children with ADHD and typically developing children on two temporal tasks, a bisection task and a reproduction task, in auditory and visual modalities. Children with ADHD presented a larger variability when performing auditory and visual temporal tasks. Moreover, they overestimated the durations in bisection tasks and underproduced duration intervals in the visual reproduction task. In the context of the pacemaker-accumulator model, these results suggest that temporal deficits might result from a dysfunction in the switch and/or memory impairment.

Keywords

Hyperactivity Disorder, Attention-deficit, Children, Temporal processing

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